



**Fugro EMU Limited**

Head Office  
Trafalgar Wharf (Unit 16)  
Hamilton Road  
Portchester  
Portsmouth  
PO6 4PX  
Tel: 02392 205 500  
Fax: 02392 205 550

## NOTICE OF MARINE OPERATIONS

Notice is hereby given that Fugro will be conducting a geophysical survey as detailed below.

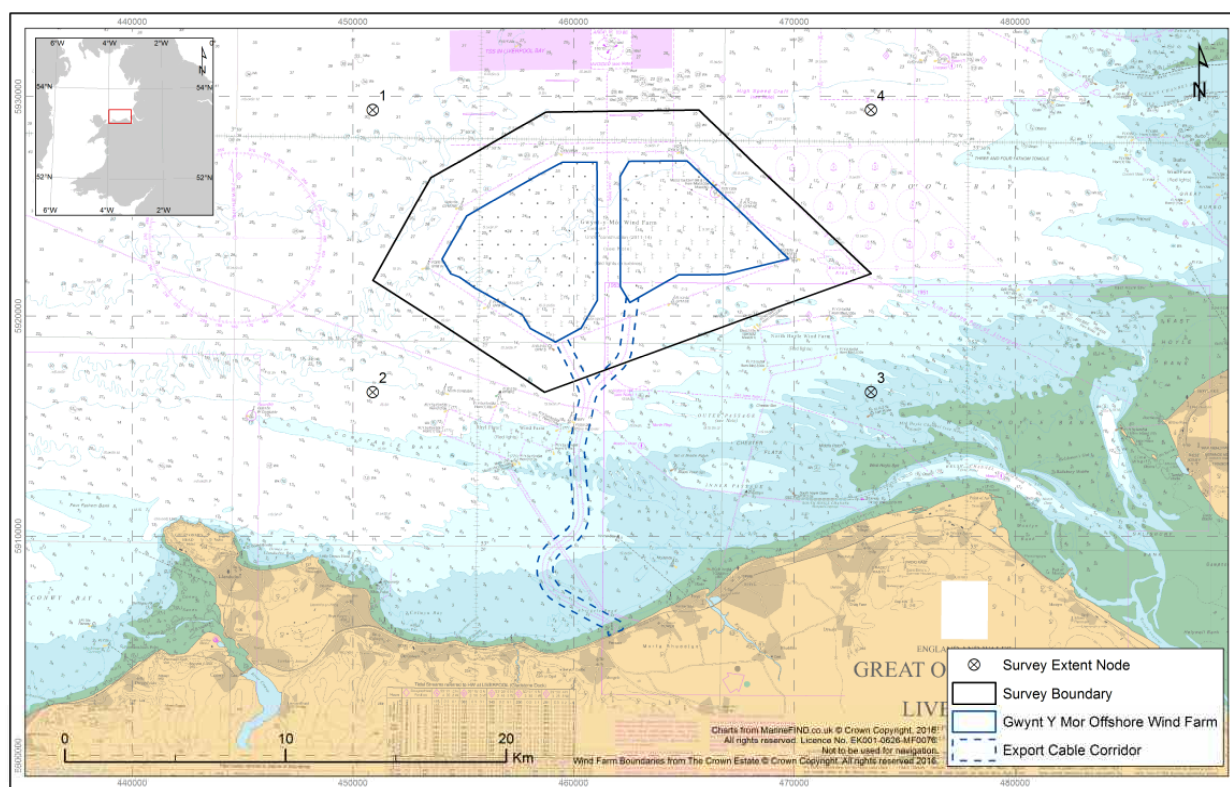
**SURVEY AREA:**

Survey operations will be conducted within the area defined by the co-ordinates below:

Node	WGS 1984	
	Latitude (°)	Longitude (°)
1	53°30.999'N	003°44.34'W
4	53°31.094'N	003°24.433'W
3	53°23.544'N	003°24.361'W
2	53°23.499'N	003°44.209'W

**Table 1 Co-ordinates of Survey Areas**

Figure 1 below shows the extents of the survey area.



**Figure 1 Survey extents**

**VESSEL:**

Fugro Helmert (call sign ZDNM8), a 43m purpose built geophysical survey vessel, will be conducting a geophysical survey over a number of wind turbine locations and inter array cables on the Gwynt Y Mor windfarm. The vessel will be operating on a 24 hour basis, mobilising to site from Liverpool. The vessel will be towing equipment during the survey, up to 150 m behind the vessel. Throughout survey operations, the vessel will be displaying the appropriate lights and shapes as required under the COLREGS Rule 27 (b) and will require other vessels to maintain a wide berth of at least 200 m.

**PROPOSED WORK SCHEDULE:**

Vessel	Anticipated minimum number of days on site	Mobilisation	Intended Start Date Subject to Weather	Expected Stop Date Subject to weather
Fugro Helmert	8	05/05/2016	06/05/2016	13/05/2016

\*NTM will be sent out again 24Hrs before Mobilisation to give a more accurate view on durations due to weather.

**PURPOSE OF SURVEY:**

Geophysical survey.

**PRIMARY SURVEY EQUIPMENT:**

The survey will utilise the following equipment which will result in the restricted ability for the vessel to manoeuvre during survey operations:

Primary Equipment	Towed / Hull Mounted / Sampling	If Applicable Approximate Tow Length	Vessel
Multibeam	Hull Mounted	N/A	Fugro Helmert
Sidescan Sonar	Towed	20-150m	Fugro Helmert

**MAIN SURVEY CONTACTS:**

If any there are any concerns or questions regarding the scope of the survey work and how to maintain safe maritime procedures please contact:

Name & Position	Organisation	Contact Details
Nick Simmons	Fugro	Email: <a href="mailto:n.simmons@fugro.com">n.simmons@fugro.com</a> Phone: +44 (0)7900 910 622
Marco Filippone	Fugro	Email: <a href="mailto:m.filippone@fugro.com">m.filippone@fugro.com</a> Phone: +49 (0)172 461 07 22
Guy Jamieson	Fugro	Email: <a href="mailto:g.jamieson@fugro.com">g.jamieson@fugro.com</a> Phone: +44 (0) 7771 908 323